



UNITED STATES MARINE CORPS

MARINE CORPS AIR BASES WESTERN AREA EL TORO

PO BOX 95001

SANTA ANA CA 92709-0001

and

3d Marine Aircraft Wing, FMFPac
El Toro (Santa Ana), California 92709-5001

ABO 13490.1A

AD/90

Wg: G-4

3 JAN 95

AIR BASES ORDER 13490.1A

From: Commander, MCABWA
Commanding General, 3d MAW
To: Distribution List

Subj: AIRCRAFT RESCUE FIRE FIGHTING VEHICLES AND AIRCRAFT RESCUE
AND FIRE FIGHTING (ARFF) PERSONNEL

Ref: (a) NAVAIR 00-80R-14 (NOTAL)
(b) NAVAIR 00-35T-37-1 (NOTAL)
(c) ABO 5300.1H
(d) ABO 5300.6
(e) MCO P4790.2B
(f) TM-4700-15/1 (NOTAL)
(g) SL-308674A - A/S 32-P-19A (NOTAL)
(h) SC-4210-97-CL-E04 - 530 (NOTAL)
(i) SL-309067A - 1028 CUCV (NOTAL)
(j) SL-3-07661B - 1028 CUCV (NOTAL)

Encl: (1) NATOPS NAVAIR 00-80R-14, Recommended Rescue Equipment and
Equipment that should be Maintained
(2) Agent Requirements

1. Purpose. To publish revised instructions for the consolidation of ARFF Vehicles, Associated Equipment and ARFF personnel between the 3d Marine Aircraft Wing (MAW) and Marine Corps Air Bases Western Area (MCABWA) activities per references (a) through (j).

2. Cancellation. ABO 13490.1.

3. Background. The consolidation of ARFF vehicles, equipment, and ARFF personnel is designed to enhance the personnel, equipment, and vehicle readiness of 3d MAW and Marine Corps Air Stations (MCAS's) El Toro, Tustin, Camp Pendleton, and Yuma.

4. Action. All commanders, commanding officers, and officers in charge of 3d MAW organizations, at MCAS's El Toro, Tustin, Camp Pendleton, and Yuma will comply with the instructions contained herein in matters pertaining to the consolidation of ARFF vehicles, associated equipment, and ARFF personnel.

5. Recommendations. Recommended changes to this Order should be submitted to the Commanding General, 3d MAW (AC/S, G-4) or the Commander, MCABWA (G-3), as appropriate.

6. Summary of Revision. This Order contains a significant number of changes and should be reviewed in its entirety.

7. Concept and Organization

a. Concept: Consolidation of ARFF vehicles, associated equipment, and ARFF personnel will assist the air station commanders in meeting vehicle and personnel requirements established in reference (a). The program will provide the 3d MAW with ready ARFF vehicles, the associated equipment required by references (a) and (b), and qualified ARFF personnel for deployments and for the conduct of normal ARFF operations in the field.

b. Objective. The objective of this Order is to establish detailed procedures for the assignment and maintenance of consolidated ARFF vehicles; the identification, assignment and budgetary requirements for spare parts, associated equipment, operating costs, and assignment and training of personnel.

c. Operational Control. Station commanders will have operational control over all augmentation personnel and assigned ARFF vehicles unless recalled for deployments. Third MAW commanding officers or officers in charge will have operational control over all required personnel and associated ARFF equipment required for deployment in support of aircraft in the field.

d. Administrative Control. All administrative matters pertaining to augmentation personnel will be accomplished per references (c) and (d).

8. Assignment of Personnel. Per references (c) and (d), all 3d MAW enlisted ARFF personnel will be assigned to the Fleet Assistance Program (FAP) upon reporting to their parent command.

a. Exemptions. ARFF personnel MOS 7051 are required to fill Category 1 FAP billets. However, the following exemptions are in effect:

(1) Marine Wing Support Squadron (MWSS) ARFF Chief (Staff Noncommissioned Officer (SNCO)) (1) Material/Embarkation Noncommissioned Officer (NCO), (1) MIMMS/Admin Clerk E-3 or below, (2) Equipment Maintenance Personnel E-3 or below.

(a) The personnel in these billets will be rotated and replaced semiannually (alternating every 6 months). This will provide a better understanding of MWSS support operations for professional development, smooth transition for deployments and allow continued technical proficiency.

3 JAN 95

(b) Direct liaison will be maintained between MWSS and MCAS ARFF sections to ensure annual ARFF training requirements for MWSS are met and technical information exchanged.

(2) The personnel in the above billets are responsible for T/E assets and associated ARFF equipment, performing all first echelon maintenance and establish and maintaining maintenance records. Additionally, the MWSS ARFF Chief will be responsible for:

(a) Budgeting, requisitioning and tracking equipment deficiencies.

(b) Developing Crash/Fire Bills and Pre-Mishap Plans.

(c) Maintaining ARFF Technical Training Publications.

(d) Coordinating Marine Corps Integrated Maintenance Management System (MIMMS) and embark functions pertaining to ARFF equipment and assets.

9. Assignment and Recall of Aircraft Fire Fighting Vehicles

a. Assignment

(1) Assignment of 3d MAW ARFF vehicles to MCAS's ARFF organizations will be by mutual agreement, considering requirements of all concerned commands (i.e., MCAS's El Toro, Tustin, Camp Pendleton, Yuma, etc.) The vehicle augmentation is intended to support daily flight operations at the MCAS airfields.

(2) All 3d MAW ARFF vehicles will be assigned to MCAS's ARFF organizations only after joint Limited Technical Inspections (LTI's) are completed. Representatives from the MCAS ARFF organization and the responsible MWSS motor transport will conduct joint LTI's.

(3) Fire Fighting Vehicles (P-19A and one 1028FF), and assets of MWSSG-37 will be assigned to each MCAS ARFF organization as ARFF component vehicles. Vehicles being assigned to station as ARFF components will be temporarily loaned and will not require daily trip tickets from parent MWSS commands. Vehicles will remain at the station ARFF, being dispatched in the same manner as the station ARFF vehicles.

b. Recall

(1) Recall of ARFF vehicles will be coordinated by the Commanding General, 3d MAW and the Station Commander when:

(a) Required to support 3d MAW units' contingency deployment/exercises.

(b) Required for introduction into the maintenance or rehabilitation program.

(2) Upon notification of recall or return of ARFF vehicles, representatives from the MCAS ARFF organization and the responsible MWSS motor transport will conduct joint LTI's. All vehicles will be SL-3 component complete at time of recall except when vehicles are recalled for maintenance purposes. During maintenance recalls the SL-3 components will be removed from vehicles and inventoried/safeguarded by station activity.

10. Maintenance of Assigned 3d MAW Vehicles. The ARFF vehicle assets from MWSSG-37 will be maintained/supported by MWSS-371 for MCAS Yuma, MWSS-372 for MCAS Camp Pendleton, MWSS-373 for MCAS El Toro and, MWSS-374 for MCAS Tustin as follows:

a. First Echelon Maintenance

(1) All first echelon maintenance will be performed by Station/PAP ARFF personnel.

(2) Daily Preventive Maintenance (PM) Inspection Sheets and required maintenance will be performed per the following manuals:

(a) TM - 08674A-10/1 (P-19A).

(b) TM9 - 230-209-20/20P/34P (M530C/S).

(c) TM9 - 2320-289-10 (CUCV M1028FF).

(3) Completed Daily PM Inspection Sheets will be retained on file per reference (e).

(4) One Military Occupational Specialty (MOS) 3525 (P-19 mechanic) should be available to each MCAS ARFF organization to coordinate maintenance.

b. Higher Echelon Vehicle Maintenance

(1) All maintenance, other than that addressed in paragraph 10a(1), will be accomplished by an assigned contact team through the responsible MWSS/MWSSG-37 or the 1st FSSG and/or its representative detachment; depending on the echelon of the maintenance required.

(2) The maintenance organizations above will be responsible for maintaining motor vehicle records per reference (f).

(3) The respective MCAS ARFF organization will coordinate transportation of equipment requiring maintenance to the responsible MWSS for induction into the maintenance cycle but retain all SL-3 components until vehicle is returned. A complete equipment repair order (ERO) will accompany the vehicle to the responsible MWSS.

(4) The following guidance is provided for induction of equipment into the responsible MWSS for maintenance:

(a) All first echelon maintenance has been accomplished.

(b) The ERO has been prepared per reference (f). The activity address code (ACC) must be of the MWSS owning the vehicle.

(c) MWSS's/MWSG-37 will not accept equipment into the maintenance cycle if the actions outlined above have not been accomplished. The rejection will be noted on the back of the ERO white copy to include justification and date. The MWSS/MWSG-37 Maintenance Officer or Assistant are the only personnel authorized to reject equipment.

(5) MWSS's/MWSG-37 will assign the equipment an ERO number from their ERO matrix and enter it into the MIMMS.

(6) 1st FSSG/Dets will provide repair part support and third and/or fourth echelon maintenance (MWSS's/MWSG-37 will transport equipment to be repaired to the FSSG/Det site) for all MWSS vehicles as follows:

(a) CSSD-16 1st FSSG for MWSS-371.

(b) 1st FSSG for MWSS-372.

(c) CSSD-14 1st FSSG for MWSS's 373 and 374.

(7) MWSS's/MWSG-37 will notify the respective ARFF organization when equipment has been repaired and is awaiting return. The ERO will be closed in MIMMS upon the return of equipment.

11. Communication Equipment

a. Respective MWSS communication equipment will be installed in ARFF vehicles and the MWSS communications sections will include the communications equipment (FM radio) on their Pilot Preventive Maintenance Program (PPMP).

(1) When a radio is scheduled for PM, the Communications Officer will request the ARFF vehicle with the applicable radio installed be returned to MWSS Communications for PM/replacement of the FM radio.

(2) Prior to turn in of the vehicle, for any communications related reason, fire fighting SL-3 components will be removed, stored and safeguarded at the station activity.

b. ARFF vehicles to be turned in for Motor Transport (MT) maintenance will be delivered to the appropriate MWSS. MWSS communications section will remove communications/electronic components required for testing, repair, or storage. Radio mounts and racks, power cables, and antenna bases will not be removed from the vehicle unless the specific area on the vehicle to be repaired requires their removal.

12. Associated ARFF Equipment

a. Per references (a) and (b), each MWSS will maintain the associated ARFF equipment and fire fighting materials listed in enclosures (1) and (2).

b. Per references (a) and (b), MCAS ARFF organizations will maintain the equipment listed in references (g) through (j) for each assigned 3d MAW vehicle. Equipment listed in references (g) through (j) will be replaced by MCAS ARFF organizations if damaged/lost while in their custody, and by MWSS if damaged/lost during deployments.

13. Protective Clothing Issue

a. Each MWSS will issue a complete set (IAW T/E) of protective clothing to all ARFF (7051 MOS) personnel or place on order prior to sending personnel "FAPPED." MCAS ARFF will be provided a list of available protective clothing and will direct appropriately sized personnel to report to the MWSS for protective clothing issue. Only complete sets will be issued.

b. All 3d MAW ARFF personnel sent temporary additional duty (TAD) or "defapped" to support 3d MAW commitments will execute the orders with their current issue of protective clothing. All protective clothing issued by MWSS's will be replaced by MCAS when it becomes unserviceable during the 3d MAW FAP tour. Replacement and related costs for items will be the responsibility of the MCAS. If damage or loss is a result of an emergency during deployed periods, the item will be replaced by the MWSS's and charged to the exercise or squadron Cost Code/Job Order Number.

14. Inspections. The Commanding Officer, MWSSG-37 will designate personnel to inspect MWSS Aircraft Fire Fighting organizational property on a quarterly basis. Discrepancies and deficiencies will be reported to the Commanding General, 3d MAW, Attn: AC/S, G-4 (EAF.)

NATOPS NAVAIR 00-80R-14, RECOMMENDED RESCUE EQUIPMENT AND
EQUIPMENT THAT SHOULD BE MAINTAINED

<u>NOMENCLATURE</u>	<u>F/W & R/W</u>
Hydraulic Port-A-Power	1
Exhaust Fans/Smoke Ejector	2
Air Chisel	1
Fire Blankets/Burn Packs	2
Ground Locks/Pins (for each aircraft assigned)	AR
Stretcher/Backboard	2
Ladder, Metal (10-24 foot)	1
Round Point Shovel	2
Square Blade Shovel	2
Pike Pole (10 ft)	2
Pick-Head Axe	2
Crash Rescue Tool Kit	2
Hydrant Wrench	2
Sledge Hammer	1
Portable Generator w/Floodlights	1/4
2 1/2" Cotton Jacket Hose (50 ft)	10
1 1/2" Cotton Jacket Hose (50 ft)	10
Trauma/1st Aid Kits	2
Gold Face Shields (Replacements)	50
Duck Tape, 2" Wide	2
AFFR Extinguishing Agents (3% 5 gal. can)	208

ENCLOSURE (1)

ABO 13490.1A
3 JAN 95

1211 Halon Cylinder, 1500 lb w/Agent	3
1211 Halon Recharging Unit	1
Nitrogen Cylinder (110 cu.ft.)	4
Nitrogen Cylinder (300 cu.ft.)	4
First Echelon Mech Box w/Tools	1
T-Handle Socket 7/16" (Battery Removal on Helicopter)	1
3/8" Drive Socket Wrench or Breaker Bar (F-18, Aircraft)	1
Air Cylinder Bottles, SCBA (Back-up)	8
Computer and Printer	1

ENCLOSURE (1)

AGENT REQUIREMENTS

<u>AGENT</u>	<u>VEHICLE/EQUIP</u>	<u>QTY REQ</u>
AFFF (3%)	A/S32P-19A (4 ea)	1040 gal 208 cans
AFFF (6%)	* M530C Brush (1 ea)	120 gal 24 cans
AFFF (6%)	* M530C Structural	120 gal 24 cans
AFFF (3 or 6%)	* T. A. U. Extinguisher	18 gal 4 cans
HALON 1211	A/S32P-19A (4 ea)	4320 lbs 3 cyl
PKP	A/S32P-19A (4 ea)	288 lbs 6 cans
PKP	* T. A. U. Extinguisher (1 ea)	1350 lbs 27 cans

ENCLOSURE (2)



UNITED STATES MARINE CORPS

MARINE CORPS AIR BASES WESTERN AREA EL TORO
PO BOX 95001
SANTA ANA CA 92709-5001

IN REPLY REFER TO:

ABO 13490.1A Ch 1

AD

Wg: G-4

09 APR 96

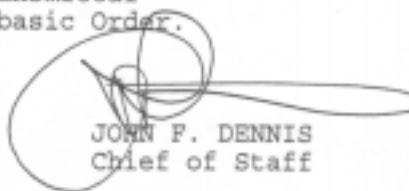
AIR BASES ORDER 13490.1A Ch 1

From: Commander, MCABWA
Commanding General, 3d MAW
To: DISTRIBUTION LIST

Subj: AIRCRAFT RESCUE FIRE FIGHTING VEHICLES AND AIRCRAFT RESCUE
AND FIRE FIGHTING (ARFF) PERSONNEL

1. Purpose. To direct pen changes to the basic Order.
2. Action
 - a. On page 1, delete reference "(h)".
 - b. On page 1, change references "(i)" and "(j)" to read "(h)" and "(i)" respectively.
 - c. On page 4, delete paragraph "10a(2)(b)" and change paragraph "10a(2)(c)" to read "10a(2)(b)".
 - d. On page 6, paragraph 12b, second and fourth line, change "(j)" to read "(i)".
 - e. Enclosure (2), page 1, delete the fourth, fifth and sixth line.
 - f. In the "Copy to:" section of the basic Order change to read the same as the corresponding section of this Change.
3. Filing Instructions. File this Change transmittal immediately behind the signature page of the basic Order.


T. D. SEDER
Chief of Staff


JOHN F. DENNIS
Chief of Staff

DISTRIBUTION: SP: AB, AD, AE, AF, AK, AN, MA, SM, 2AA, 3AA, 4AA

Copy to: 3d MAW: LIST 1 B-1, B-3 thru B-6, C-1

2 E

Aviation Ground Supply Element (29 Palms)



UNITED STATES MARINE CORPS

MARINE CORPS AIR BASES WESTERN AREA EL TORO
PO BOX 91001
SANTA ANA CA 92709-0001

ABO 13490.1A Ch 2
AD/90
Wg: G-4
17 Feb 98

AIR BASES ORDER 13490.1A Ch 2

From: Commander, MCABWA
Commanding General, 3d MAW
To: Distribution List

Subj: AIRCRAFT RESCUE FIRE FIGHTING VEHICLES AND AIRCRAFT RESCUE
AND FIRE FIGHTING (ARFF) PERSONNEL

1. Purpose. To direct pen changes to the basic order.

2. Action

- a. On Enclosure (2), delete second and third lines reading
- | | | |
|------------|-------------------|-----------|
| "AFFF (6%) | *M530C Brush | 120 gal |
| | (1 ea) | 24 cans |
| AFFF (6%) | *M530C Structural | 120 gal |
| | | 24 cans". |

3. Filing Instructions. File this change transmittal
immediately behind the signature page of the basic order.

S.F. Mugg
S.F. MUGG
Chief of Staff

DISTRIBUTION: SP: AB, AD, AE, AF, AK, AN, MA, SM, 2AA, 3AA,
4AA

Copy to: 3d MAW: LIST 1 B-1, B-3 thru B-6, C-1
2 E
Aviation Ground Supply Element (29 Palms)



UNITED STATES MARINE CORPS

MARINE CORPS AIR BASES WESTERN AREA MIRAMAR
PO BOX 452001
SAN DIEGO CA 92145-2001

ABO 13490.1A, Ch 3

G-3

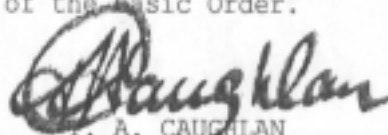
29 SEP 1999

AIR BASE ORDER 13490.1A, Ch 3

From: Commander
To: Distribution List

Subj: AIRCRAFT RESCUE FIRE FIGHTING VEHICLES AND AIRCRAFT RESCUE
AND FIRE FIGHTING (ARFF) PERSONNEL

1. Purpose. To direct pen changes to the basic Order.
2. Action
 - a. On the letterhead page, change the heading to read "Marine Corps Air Bases Western Area Miramar, PO Box 452001, San Diego CA 92145-2001".
 - b. On the letterhead page, paragraphs 3 and 4 delete the words "El Toro and Tustin" and add "Miramar".
 - c. On page 3, paragraph 9a(1) delete the words "El Toro and Tustin" and add "Miramar".
 - d. On page 3, paragraph 9a(2) delete the word "All".
 - e. On page 3, paragraph 9a(3) delete the first sentence.
 - f. On page 4, paragraph 10, delete the words "MCAS El Toro" and replace it with "MCAS Miramar", and delete "MWSS-374 for MCAS Tustin".
 - g. On page 5, paragraph 10b(6)(c), delete "374".
 - h. On page 6, delete paragraphs 13a and 13b and renumber the following paragraphs accordingly.
3. Filing Instructions. File this Change transmittal directly behind the signature page of the basic Order.


P. A. CAUGHLAN
Chief of Staff

DISTRIBUTION: A



UNITED STATES MARINE CORPS

MARINE CORPS AIR BASES WESTERN AREA MRRAMAR
PO BOX 452201
SAN DIEGO CA 92145-2001

ABO 13490.1A Ch 4
G-3

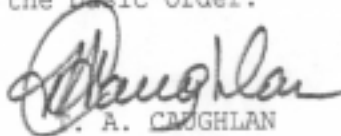
25 APR 2000

AIR BASE ORDER 13490.1A, Ch 4

From: Commander
To: Distribution List

Subj: AIRCRAFT FIRE FIGHTING VEHICLES, EQUIPMENT AND AIRCRAFT
CRASH, FIRE AND RESECUREMENT

1. Purpose. To direct pen changes to the basic Order.
2. Action. On Enclosure (2) page 1, delete ARFF (6%) *M530C Brush 120 gal and ARFF (6%) *M530C Structural 120 gal.
3. Filing Instructions. File this Change transmittal directly behind the signature page of the basic Order.


J. A. CROGHAN
Chief of Staff

DISTRIBUTION: A